

REMARKS

Sequence Listing

Applicants submit herewith a substitute sequence listing under 37 C.F.R. § 1.825. This sequence listing replaces the sequence listing mailed June 7, 2002, and contains sequences newly labeled SEQ ID NOS. 27 – 31, each of which corresponds to a protein fragment presented in the Protein Data Bank (PDB) files found in Appendices 1 and 2 of the specification as filed.

As would be understood by one of ordinary skill in the art, a PDB file provides a sequence of amino acids in order of connectivity in one or more polypeptide chains. The format of a PDB file is well known in the art, and a description is available on the world wide web at http://www.rcsb.org/pdb/docs/format/pdbguide2.2/guide2.2_frame.html. This description is dated December 1996, and would have been available to one of ordinary skill in the art prior to the filing date of the instant application.

In particular, a PDB file contains the atomic coordinates, residue name, and sequence number of each resolved non-hydrogen atom in a crystal structure of a protein or protein fragment. Where there is more than one polypeptide chain, a terminator (“TER”), or the atom designation “OXT” (for terminal oxygen) is indicated. One of skill in the art would be able to deduce an amino acid sequence directly from a PDB file, with no additional information. Accordingly, the PDB files presented in the instant specification provide written description support for each amino acid sequence listed as SEQ ID NO: 27 to SEQ ID NO: 31, and no new matter is introduced by way of the substitute sequence listing.

Amendments to Specification

Applicants have amended the specification to include SEQ ID NOs for the sequences of protein fragments presented in the Protein Data Bank (PDB) files found in, respectively, Appendices 1 and 2 of the specification as filed. Marked up versions of amended paragraphs of the specification showing changes made therein are presented in Appendix A, attached hereto.

Accordingly, the above-made amendments do not introduce new matter and Applicants respectfully request entry of the amendment and remarks made herein in the file of the above-identified application.

CONCLUSION

No fees are believed due in connection with this submission. However, the Commissioner is authorized to charge any required fee to the Pennie & Edmonds LLP Deposit Account No. 16-1150. A copy of this sheet is attached.

Respectfully submitted,

Date January 28, 2003

Richard G. A. Bone

Richard G. A. Bone (Reg. No.)
Limited Recognition Under 37 C.F.R. § 10.9(b)
(Copy of Certificate Attached Hereto)

for Samuel B. Abrams 30,605

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APPENDIX A
CHANGES TO SPECIFICATION UPON ENTRY OF THE
AMENDMENT UNDER 37 C.F.R. § 1.111

U.S. PATENT APPLICATION SERIAL No. 09/609,361
(ATTORNEY DOCKET NO. 9811-013-999)

The following mark-up scheme is adopted:

Deleted material: Strike-through

*Inserted material: **Bold Underline***

Please revise the paragraph beginning at page 27, line 6, and ending at page 27, line 13, as follows:

One method that may be employed for this purpose is molecular replacement. In this method, the unknown crystal structure, may be determined using the structure coordinates of this invention as provided in Appendices 1 and 2. The Appendix 1 coordinates for the DES-ER α LBD-GRIP1 NR Box II peptide complex (represented as SEQ ID NOs: 27-30, inclusive) and for the Appendix 2 coordinates for the OHT-ER α LBD complex (represented as SEQ ID NO: 31) have been deposited with the Brookhaven National Laboratory Protein Data Bank, and have been assigned Brookhaven Protein Data Bank Accession Numbers 2erd and 2ert, respectively. This method will provide an accurate structural form for the unknown crystal more quickly and efficiently than attempting to determine such information *ab initio*.

**BEFORE THE OFFICE OF ENROLLMENT AND DISCIPLINE
UNITED STATE PATENT AND TRADEMARK OFFICE**

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

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This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: April 3, 2003



Harry I. Moatz
Director of Enrollment and Discipline